

Image may be representation.  
See specifications for product details.



## STSPIN233

Manufacturer Part Number	<b>STSPIN233</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STSPIN233
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC HALF BRIDGE DRV 1.3A 16VFQFPN
Package	16-VFQFN Exposed Pad
Data sheet	<a href="#">Products and Solutions Brochure.pdf</a> <a href="#">Motor Control Reference Guide.pdf</a> <a href="#">STSPIN233.pdf</a>
RoHs Status	ROHS3 Compliant

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STSPIN233 - STMicroelectronics.New Original in Stock. Download Linear Technology STSPIN233 datasheet/specifications on AllelcoElec.com.  
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## Specifications

STSPIN233 Tech Specifications

STSPIN233 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Supply	0V ~ 5V	Mounting Type	Surface Mount
Voltage - Load	1.8V ~ 10V	Load Type	Inductive
Technology	Power MOSFET	Interface	Logic
Supplier Device Package	16-VFQFPN (3x3)	Features	-
Series	STSPIN2	Fault Protection	-
Rds On (Typ)	400mOhm LS + HS	Current - Peak Output	-
Package / Case	16-VFQFN Exposed Pad	Current - Output / Channel	1.3A
Package	Tape & Reel (TR)	Base Product Number	STSPIN233
Output Configuration	Half Bridge (3)	Applications	DC Motors, General Purpose

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STSPIN233

Product Attribute				
Part Number	STSPIN233	STSPIN240	STSPIN250	STSPIN32F0601QTR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	16-VFQFPN (3x3)	16-VFQFPN (3x3)	16-VFQFPN (3x3)	72-QFN (10x10)
Current - Output / Channel	1.3A	1.3A	-	-
Base Product Number	STSPIN233	STSPIN240	STSPIN250	-
Output Configuration	Half Bridge (3)	Half Bridge (4)	Half Bridge (4)	-
Applications	DC Motors, General Purpose	DC Motors, General Purpose	General Purpose	Home & Industrial
Voltage - Supply	0V ~ 5V	0V ~ 5V	0V ~ 5V	9V ~ 20V
Package / Case	16-VFQFN Exposed Pad	16-VFQFN Exposed Pad	16-VFQFN Exposed Pad	72-VFQFN Exposed Pad
Voltage - Load	1.8V ~ 10V	1.8V ~ 10V	1.8V ~ 10V	-
Rds On (Typ)	400mOhm LS + HS	400mOhm LS + HS	-	-
Load Type	Inductive	Inductive	-	-
Fault Protection	-	Current Limiting, Over Temperature, Short Circuit	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Peak Output	-	-	-	-
Interface	Logic	PWM	PWM	I <sup>2</sup> C, SPI, UART/USART
Series	STSPIN2	STSPIN2	STSPIN2	STSPIN32F060x
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 125°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Technology	Power MOSFET	Power MOSFET	Power MOSFET	-
Features	-	-	-	-

## STSPIN233 Datasheet PDF

Download STSPIN233 pdf datasheets and STMicroelectronics documentation for STSPIN233 - STMicroelectronics.

### PCN Packaging


[Material Barrier Bag 17/Dec/2020.pdf](#)

### HTML Datasheet

[Products and Solutions Brochure.pdf](#)

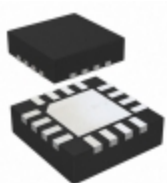
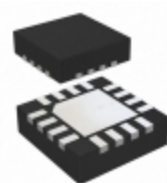




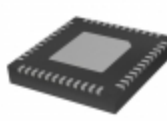

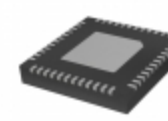
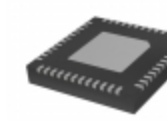



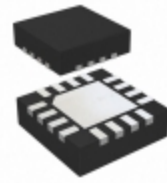


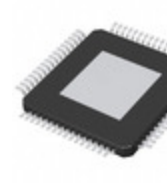
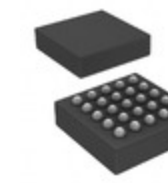
[Motor Control Reference Guide.pdf](#)

[STSPIN233.pdf](#)

 STSPIN2xx 07/Mar/2023.pdf

## Customers Also Interested in

### Recommended Products

					
<b>STSPIN240</b> STMicroelectronics IC HALF BRIDGE DRV 1.3A 16VFQFPN	<b>STSPIN250</b> STMicroelectronics IC MOTOR DRIVER 0V-5V 16VFQFPN	<b>STSPIN32F0601QTR</b> STMicroelectronics DISCRETE	<b>STSJ25NF3LL</b> STMicroelectronics MOSFET N-CH 30V 25A 8SOIC	<b>STSJ100NH3LL</b> STMicroelectronics MOSFET N-CH 30V 100A 8SOIC	<b>STSPIN32F0602</b> STMicroelectronics 600V THREE-PHASE CONTROLLER WITH
					
<b>STSPIN32F0B</b> STMicroelectronics ADVANCED SINGLE SHUNT BLDC CONTR	<b>STSAFA110DFSPLO2</b> STMicroelectronics AUTHENTICATION & BRAND PROTECTIO	<b>STSPIN32F0ATR</b> STMicroelectronics IC BLDC CTRLR STM32 48VFQFPN	<b>STSPIN32F0A</b> STMicroelectronics IND.& POWER CONV.	<b>STSJ50NH3LL</b> STMicroelectronics MOSFET N-CH 30V 50A 8SOIC	<b>STSJ60NH3LL</b> STMicroelectronics MOSFET N-CH 30V 60A 8SOIC
					
<b>STSPIN32F0BTR</b> STMicroelectronics ADVANCED SINGLE SHUNT BLDC CONTR	<b>STSPIN220</b> STMicroelectronics LOW VOLTAGE STEPPER MOTOR DRIVER	<b>STSPIN32F0</b> STMicroelectronics IC BLDC CTRLR STM32 48VFQFPN	<b>STSJ100NHS3LL</b> STMicroelectronics MOSFET N-CH 30V 100A 8SOIC	<b>STSPIN32F0251TR</b> STMicroelectronics 250 V THREE-PHASE CONTROLLER WIT	<b>STSMIA832TBR</b> STMicroelectronics IC RECEIVER 0/1 25TFBGA

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### Payment Support

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Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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Contact us if you have any questions.

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### Certifications & Memberships



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